

LIQUID SPRAY UNIT, METHOD OF SPRAYING
LIQUID USING IT, AND CHEMICAL

ABSTRACT OF THE DISCLOSURE

A liquid spray unit which can impart a liquid (treating liquid, medicine, or the like) surely to a traveling body, even in a high speed paper--making machine. The liquid spray unit for spraying a liquid ~~to~~onto a traveling body ~~comprises~~contains a spray tube provided with a nozzle for spraying a liquid, and an air box provided with an opening for jetting an air flow, wherein the spray tube and the air box are arranged such that the air flow is jetted from the air jet opening toward the liquid sprayed from the spray nozzle and the sprayed liquid can be blown ~~to~~onto the traveling body after being accelerated by the air flow. The liquid can be sprayed more effectively to the traveling body by ~~making~~ ~~compact~~reducing the size of the unit depending on the quantity of liquid being imparted or the inner space of a paper--making machine, or the like, or by employing a unit of a type of ~~reciprocating~~which reciprocates a single nozzle.